

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## Tyndal

## Spring Triticale



### Description:

Tyndal is an awnletted (reduced awn expression) standard height spring triticale intended for use as a feed grain and forage.

### Strengths:

- Reduced awn expression
- Grain yield similar to highest yielding check variety AC Ultima
- Good leaf and stem rust resistance
- Good bunt resistance
- Good lodging resistance
- High forage yields

### Neutral Traits:

- Medium maturity
- Medium height
- Moderately susceptible to fusarium head blight

### Weaknesses:

- Low falling number
- Poor sprouting tolerance

### Breeder:

Dr. Don Salmon  
Field Crop Development Centre  
Lacombe, Alberta

### 2002-04 Western Spring Triticale Cooperative Trials

Variety	Mean Yield (kg/ha)	% of Pronghorn	Maturity (days)	Height (cm)	Lodging 1 = erect 9 = flat	1000 Kernel Weight (gm)	Test Weight (kg/hl)	Falling Number (sec)
Pronghorn	4339	100	109	96	2.7	42.3	69.9	94
AC Certa	4175	96	109	97	2.2	42.0	74.3	88
AC Ultima	4550	105	106	92	2.4	44.6	71.4	145
Bunker	4286	99	107	101	2.4	45.7	72.5	74
<b>Tyndal</b>	<b>4459</b>	<b>103</b>	<b>106</b>	<b>92</b>	<b>2.0</b>	<b>42.2</b>	<b>72.7</b>	<b>72</b>

### 2002-04 Western Spring Triticale Cooperative Trials – Overall disease reaction

Variety	Bunt	Leaf Rust	Stem Rust	Fusarium Head Blight
Pronghorn	R	R	I	MR
AC Certa	R	R	R	I
AC Ultima	R	R	R	S
Bunker	R	R	R	MR
<b>Tyndal</b>	<b>R</b>	<b>R</b>	<b>R</b>	<b>MS</b>

### 2001-04 Silage yield potential in Field Crop Development Centre tests at Lacombe AB

Variety	Mean (t/ac)	Mean %
Pronghorn	11.4	100
AC Ultima	11.6	104
Bunker	12.3	107
<b>Tyndal</b>	<b>11.7</b>	<b>104</b>

### 2011 Saskatchewan Varieties of Grain - Triticale Comparison

Variety	Years Tested	Yield (% of AC Certa)		Test Weight (kg/hl)	Relative Maturity	Lodging	Stem Rust	Leaf Rust	Bunt	Root Rot
		Area 1&2	Area 3&4							
AC Certa	18	100	100	73	M	G	VG	VG	VG	G
Bumper	3	100	115	71	E	G	VG	VG	VG	---
Bunker	4	99	97	73	E	G	VG	VG	VG	---
Pronghorn	19	100	102	68	E	G	VG	VG	VG	F
AC Ultima	15	103	102	70	E	G	VG	VG	VG	F
<b>Tyndal</b>	<b>4</b>	<b>106</b>	<b>102</b>	<b>73</b>	<b>E</b>	<b>G</b>	<b>VG</b>	<b>VG</b>	<b>VG</b>	<b>---</b>

M=Medium; L=Late; F=Fair; G=Good; VG=Very Good; P=Poor; VP=Very Poor  
Triticale matures 1-2 days later than AC Crystal CPS wheat

### 2011 Alberta Seed Guide - Triticale Comparison

Variety	Overall Yield % Pronghorn	Yield by Test Category % Pronghorn				Relative Maturity	Test Weight (lb/bu)	1000 Kernel Weight (mg)	Height (cm)	Resistance to:				Tolerance to:	
		All Sites	Low <60 bu/ac	Med. 60-90 bu/ac	High 90-120 bu/ac					Very High >120 bu/ac	Lodging	Shattering	Loose Smut	Bunt	Sprouting
Pronghorn	100	100	100	100	100	M	55	43	101	G	G	VG	VG	F	G
AC Ultima	101	105	99	100	96-	E	56	45	96	G	G	VG	VG	F	F
Bumper	107	116+	XX	98	XX	E	58	45	86	VG	G	XX	VG	F	P
Bunker	90-	92	88-	90-	89-	VL	57	48	107	F	G	VG	VG	F	F
<b>Tyndal</b>	<b>101</b>	<b>108+</b>	<b>101</b>	<b>96</b>	<b>93-</b>	<b>L</b>	<b>57</b>	<b>44</b>	<b>96</b>	<b>G</b>	<b>G</b>	<b>VG</b>	<b>VG</b>	<b>P</b>	<b>P</b>

R=Rough; S=Smooth; F=Fair; G=Good; VG=Very Good; P=Poor; VP=Very Poor

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)